

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE

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APPL. NOS 457266	DATE 5/6/2010
PROCESSED BY PV01	REVIEWED BY

FACILITY ID: 16642

COMPANY NAME: ANHEUSER BUSCH INC., (LA BREWERY)

MAILING ADDRESS: 15800 ROSCOE BLVD
VAN NUYS, CA 91406

EQUIPMENT LOCATION: 15800 ROSCOE BLVD
VAN NUYS, CA 91406

BACKGROUND

The facility is a major brewery located San Fernando Valley, California.

HISTORY

Application number 457266 was submitted for an emergency internal combustion engine and it was validated on 5/26/06

EQUIPMENT DESCRIPTION

DEVICE

CONDITIONS

INTERNAL COMBUSTION ENGINE,
JOHN DEERE, DIESEL FUELED,

D926

C1.4, D135.1,
B61.2, D12.6,
AND K67.8

MODEL 6068HF475, 314 BHP,
DRIVING AN EMERGENCY
ELECTRIC GENERATOR

PROCESS DESCRIPTION

The diesel-fueled internal combustion engine used to drive an emergency electrical generator in the event of a power failure from utility lines supplying the facility. The operation of the engine will be limited to 50 hours per year for maintenance and testing purposes and will be allowed a total maximum operation of 200 hours per year.

DATA AND ASSUMPTIONS

Internal combustion engine rated at 314 HP (driving an emergency generator):

Operating Schedule:

1 hr/day, 5 days/mo, 12 mo/yr and a maximum operation of 200 hours per year.

See attached EMISSION CALCULATION WORKSHEET for emission factors

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EMISSION CALCULATIONS*Emissions Summary* (from attachment)

	VOC	NO _x	SO _x	CO	PM	PM ₁₀
Emission factor, g/HP-hr	0.13	4.38	0.0049	1.80	0.05	0.05
lb/hr	0.09	3.03	0.00	1.25	0.03	0.03
lb/day Max.	0	3	0	1	0	0
lb/day Avg.	0	1	0	0	0	0
lb/yr	4.59	154.63	0.17	63.55	1.77	1.77

PM₁₀ emissions are about 95 percent of the PM emissions.**RULE EVALUATION**

- Rule 212 Standards for Approving Permits and Issuing Public Notice. This project is not subject to notification requirements.
- Rule 401 Visible Emissions. Based on experience with similar equipment, this engine is expected to comply with the visible emission limit.
- Rule 402 Nuisance. Based on experience with similar equipment, nuisance complaints are not expected.
- Rule 404 Particulate Matter, Concentration. Based on experience with similar equipment, this engine is expected to comply with the particulate matter concentration limits.
- Rule 431.2 Sulfur Content of Liquid Fuels. Sulfur content of the diesel fuel supplied to this equipment must not exceed 500 ppm by weight. Sulfur content of the diesel fuel purchased and supplied to the engine after June 1, 2004 must not exceed 15 ppm by weight. Compliance is expected.
- Rule 1110.2 Emissions From Gaseous and Liquid Fuel Engines. Emergency engines operating less than 200 hours per year as determined by an operating elapsed time meter are exempt from the requirements of this rule per 1110.2(h)(2).
- Reg. XIII New Source Review- This equipment is AQMD certified and complies with BACT. It is exempt from offset and modeling requirements.
- Rule 1470 This equipment is expected to comply with the applicable requirements of this rule.

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Reg. XX/XXX This facility is a Reclaim/Title V facility. The facility permit will be revised under application number 458074.

PERMIT WORDING:

See Equipment Description above.

CONCLUSIONS/RECOMMENDATIONS

This facility is expected to comply with all applicable District Rules and Regulations. The following is recommended: Issue a Permit to Operate with the following conditions:

1. OPERATIONS OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED TO THE DISTRICT WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. FACILITY PERMIT SECTION D, **CONDITION C1.4:** THE OPERATOR SHALL LIMIT THE OPERATING TIME TO NO MORE THAN 199 HOUR(S) IN ANY ONE YEAR.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-MODELING AND OFFSET EXEMPTION, 6-14-1996; RULE 2012, 5-6-2005]**

4. FACILITY PERMIT SECTION D, **CONDITION D135.1:** THE OPERATOR SHALL INSPECT, ADJUST, AND CERTIFY THE IGNITION OR FUEL INJECTION TIMING OF THID=S ENGINE A MINIMUM OF ONCE EVERY 3 YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND PERFORMED IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

5. FACILITY PERMIT SECTION D, **CONDITION B61.2:** THE OPERATOR SHALL ONLY USE FUEL OIL CONTAINING LESS THAN OR EQUAL TO 15 PPM BY WEIGHT OF SULFUR COMPOUND.

[**RULE 431.2(c)(2), 9-15-2000;** RULE 1470, 6-1-2007]

6. FACILITY PERMIT SECTION D, **CONDITION D12.6:** THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE

[**RULE 1110.2(h)(2), 2-1-2008;** RULE 1470, 6-1-2007]

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7. FACILITY PERMIT SECTION D, **CONDITION K67.8**: THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION AND THE REASON FOR OPERATION.

BY JANUARY 15 OF EACH YEAR, THE OPERATOR SHALL TOTAL AND RECORD THE TOTAL HOURS OF OPERATION (INCLUDING HOURS FOR BOTH MANUAL AND AUTOMATIC OPERATION) FOR THE PREVIOUS CALENDAR YEAR.

ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT IN A FORMAT THAT IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST THREE YEARS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.

[**RULE 1110.2(h)(2), 2-1-2008**; RULE 1470, 6-1-2007]

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ATTACHMENT

EMISSION CALCULATION WORKSHEET

ATTACHMENT

A/N

457266

Emergency ICE

Given:

HP 314
 g to lb conversion factor 0.0022046
 Operating schedule
 hrs/day
 Max. 1
 hrs/day
 Avg. 1
 days/wk 1
 hrs/month Max. 5
 wks/yr 50

	VOC	NOx	SOx	CO	PM	PM10
Emission factors	0.13	4.38	0.0049	1.8	0.05	0.05

	Yes	No
Retard Timing	0	X

	VOC	NOx	SOx	CO	PM	PM10
Emission correction factor	1	1	1	1	1	1

Computations:

	VOC	NOx	SOx	CO	PM	PM10
Emission factor, g/HP-hr	0.13	4.38	0.0049	1.80	0.05	0.05
lb/hr	0.09	3.03	0.00	1.25	0.03	0.03
lb/day Max.	0	3	0	1	0	0
lb/day Avg.	0	1	0	0	0	0
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